

7000226 605574660

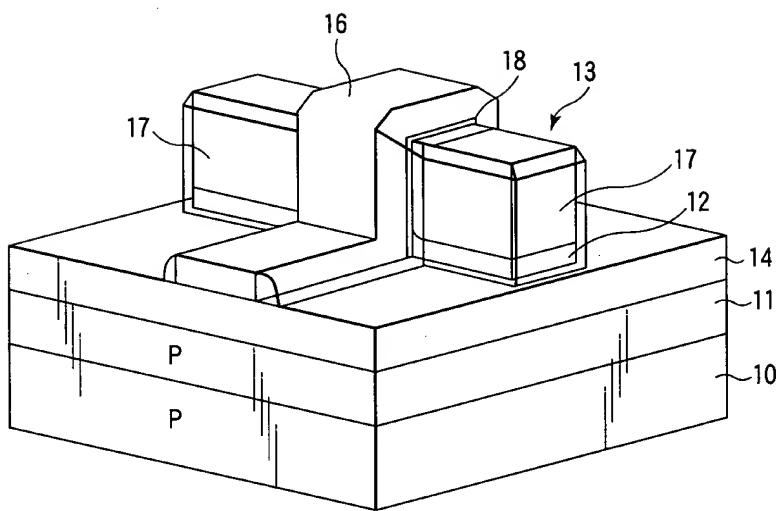


FIG. 1

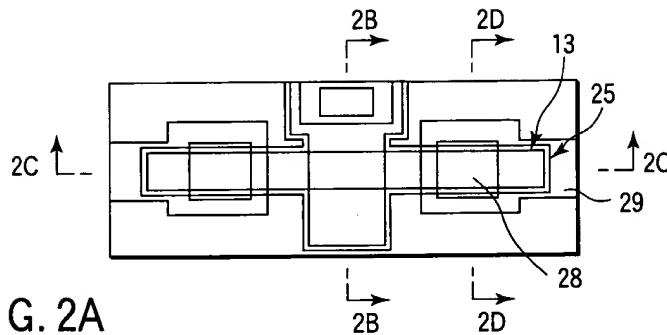


FIG. 2A

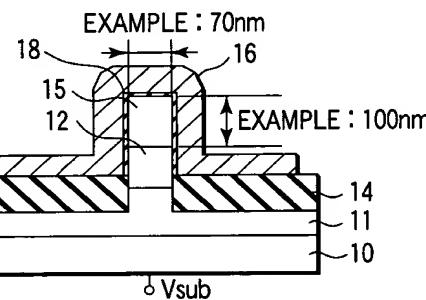


FIG. 2B

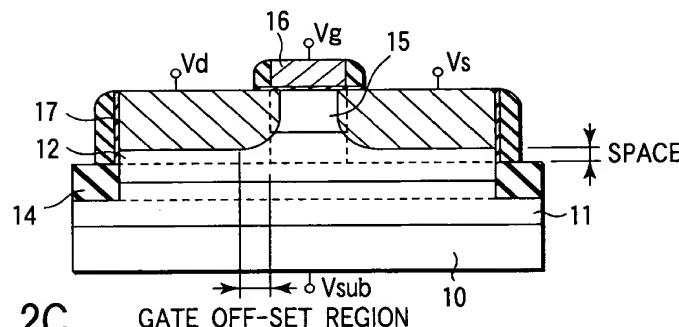


FIG. 2C

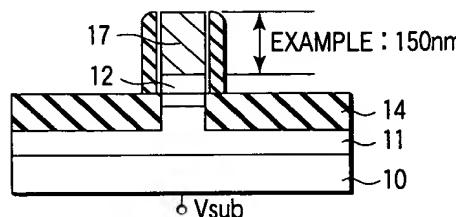


FIG. 2D

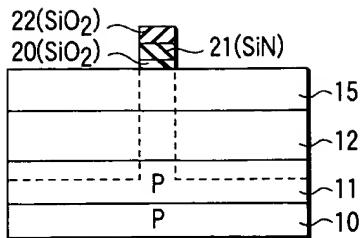


FIG. 3A

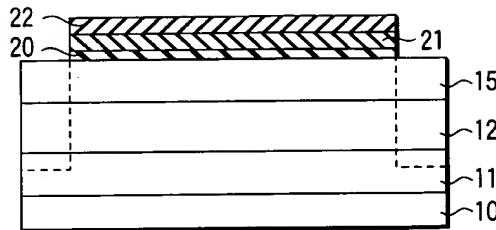


FIG. 3B

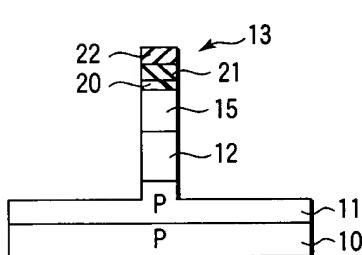


FIG. 4A

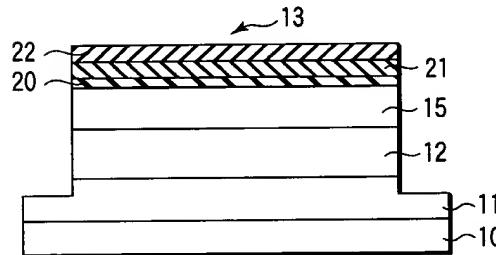


FIG. 4B

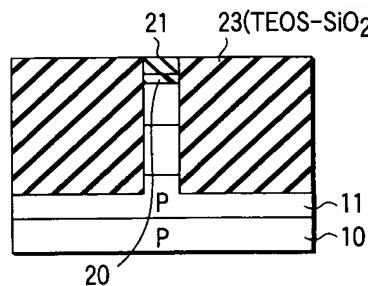


FIG. 5A

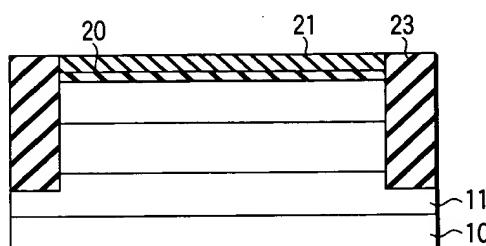


FIG. 5B

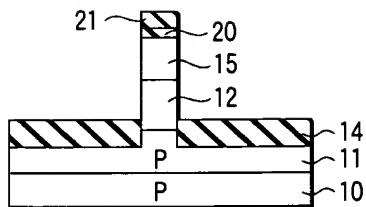


FIG. 6A

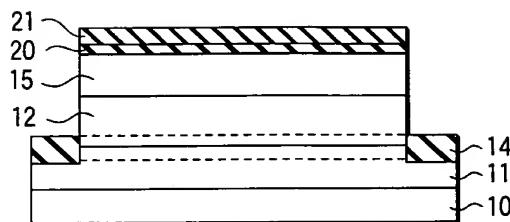


FIG. 6B

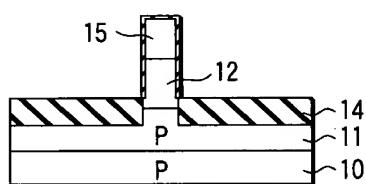


FIG. 7A

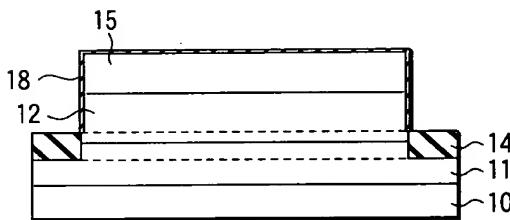


FIG. 7B

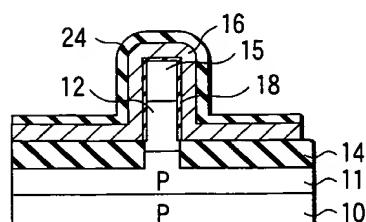


FIG. 8A

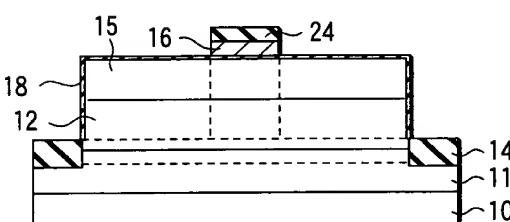


FIG. 8B

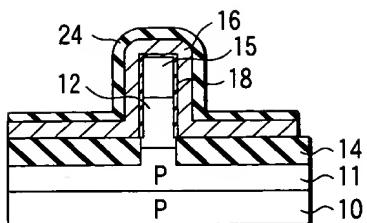


FIG. 9A

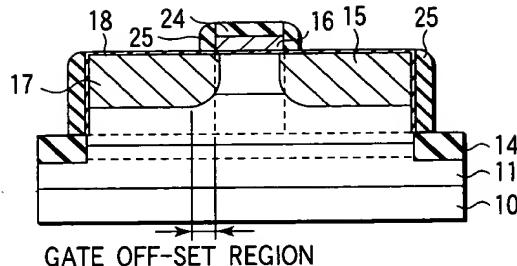


FIG. 9B

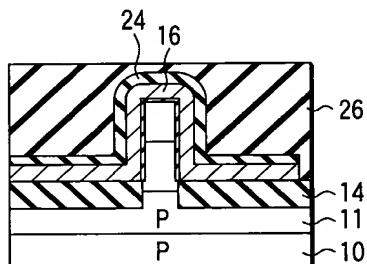


FIG. 10A

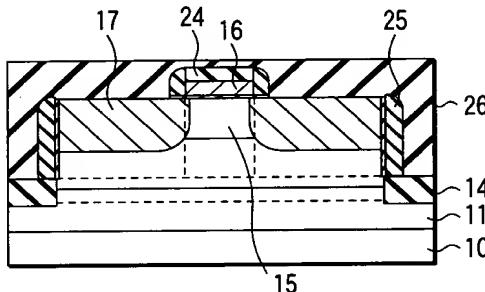


FIG. 10B

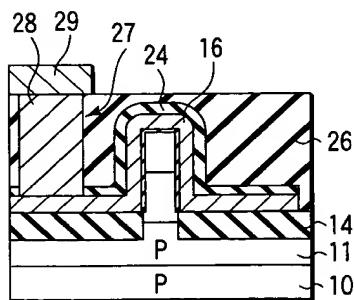


FIG. 11A

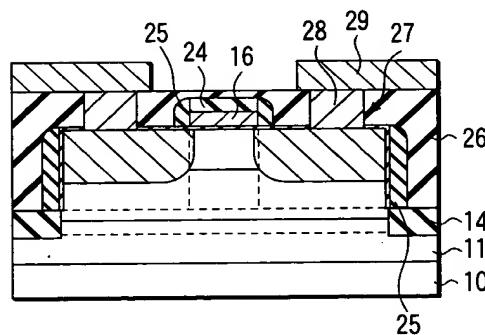


FIG. 11B

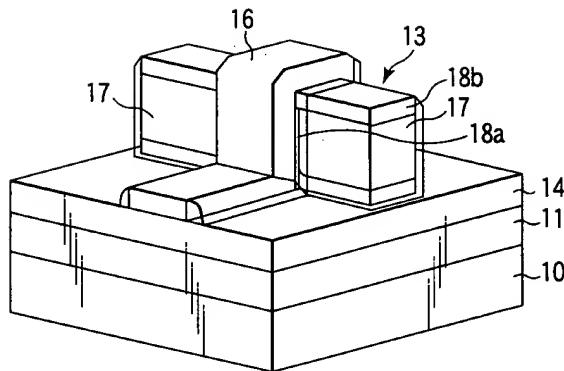


FIG. 12

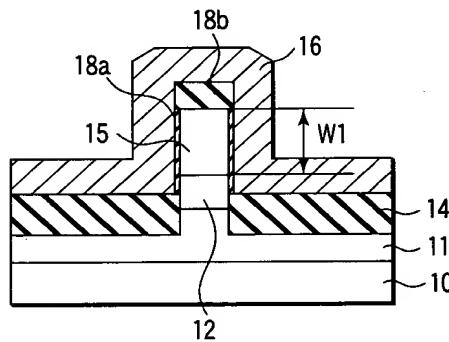


FIG. 13A

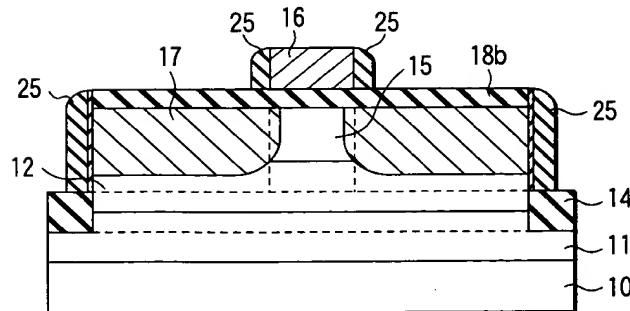


FIG. 13B

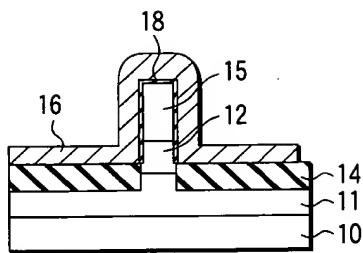
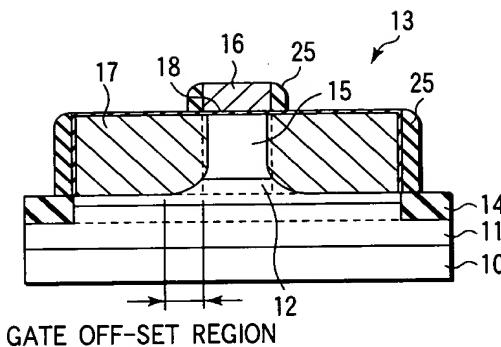


FIG. 14A



GATE OFF-SET REGION

FIG. 14B

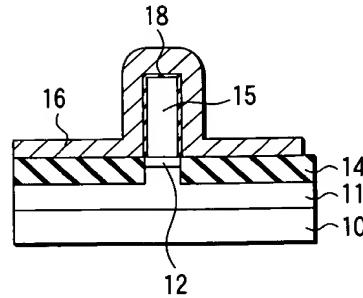


FIG. 15A

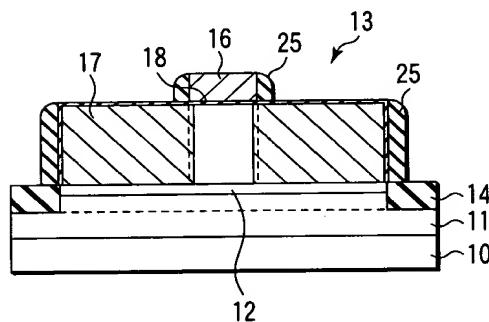


FIG. 15B

00916509-072004

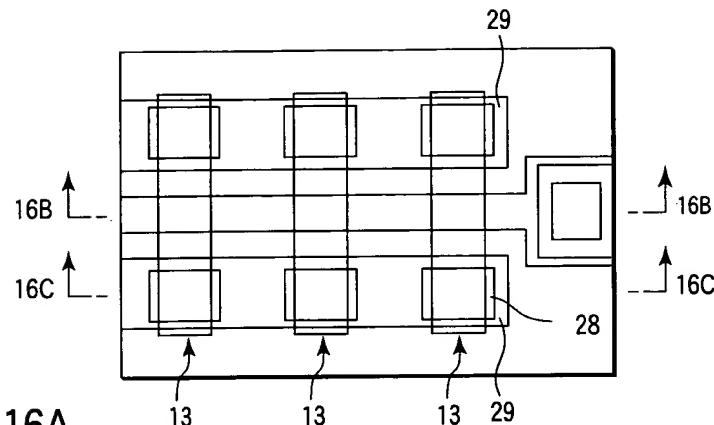


FIG. 16A

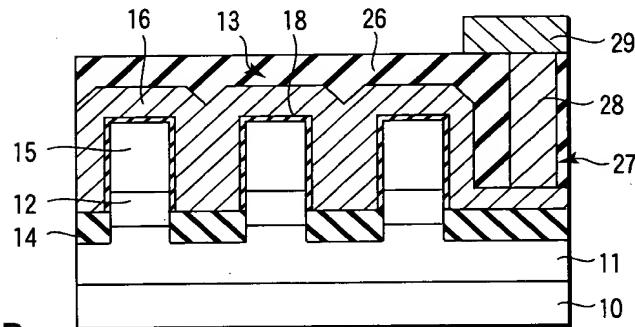


FIG. 16B

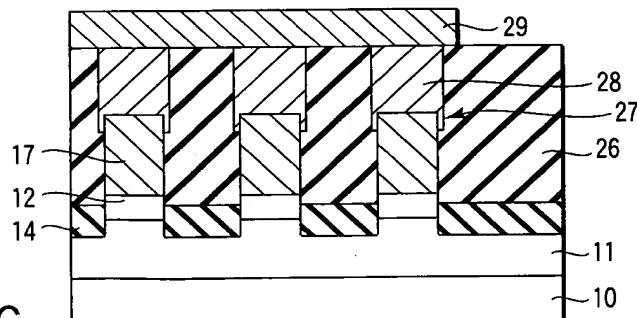


FIG. 16C

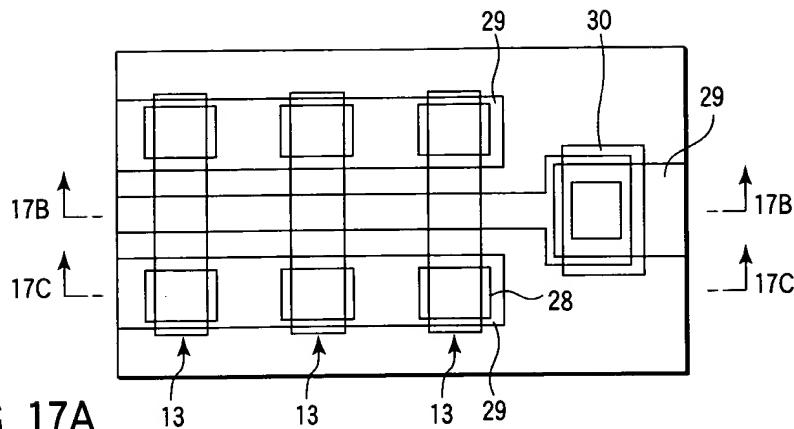


FIG. 17A

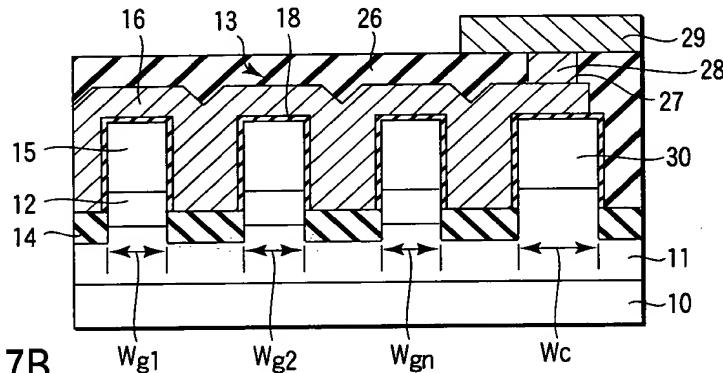


FIG. 17B

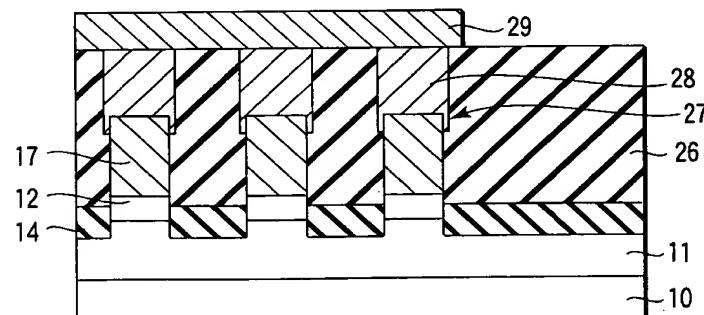
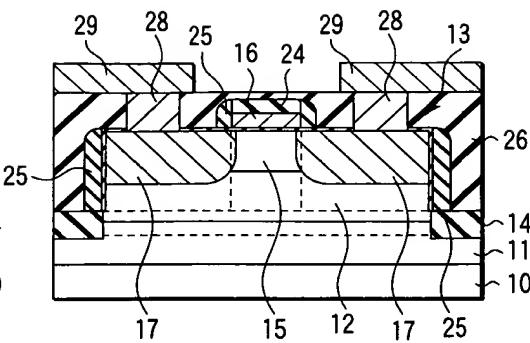
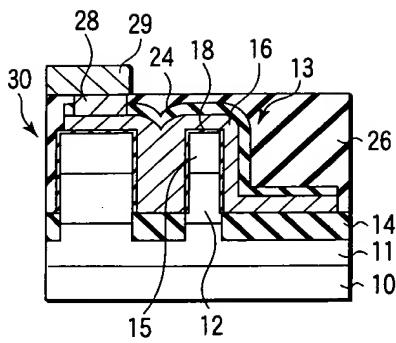


FIG. 17C



20032016050000

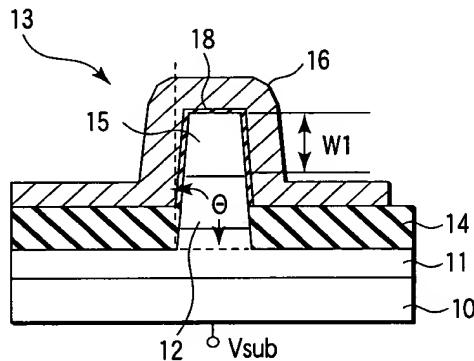


FIG. 19A

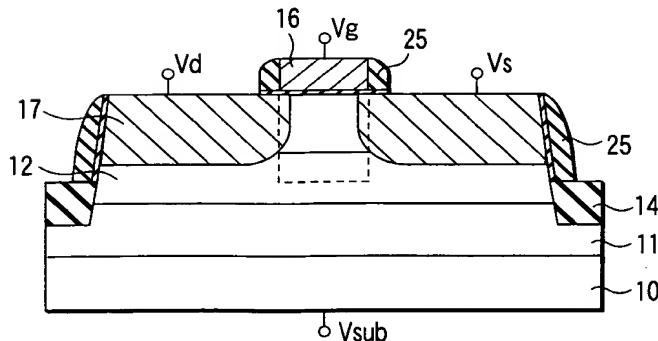


FIG. 19B

2000-02-26 00000000000000000000000000000000

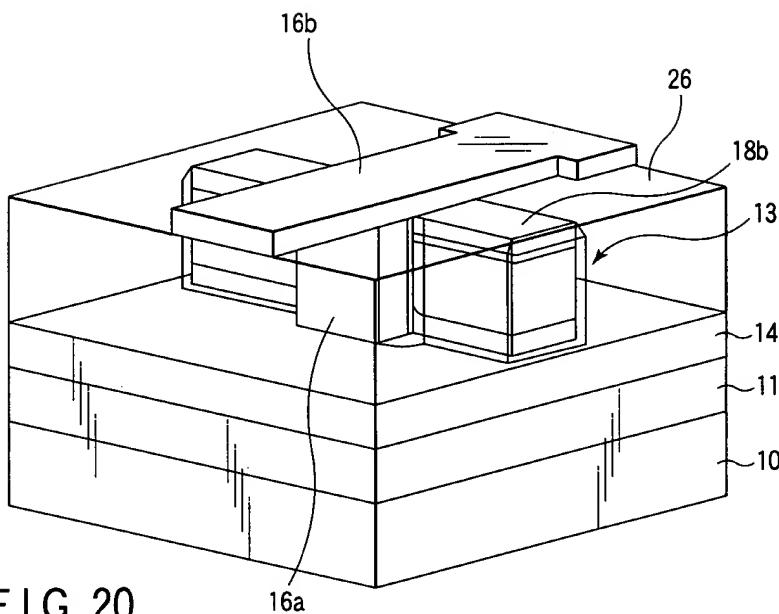


FIG. 20

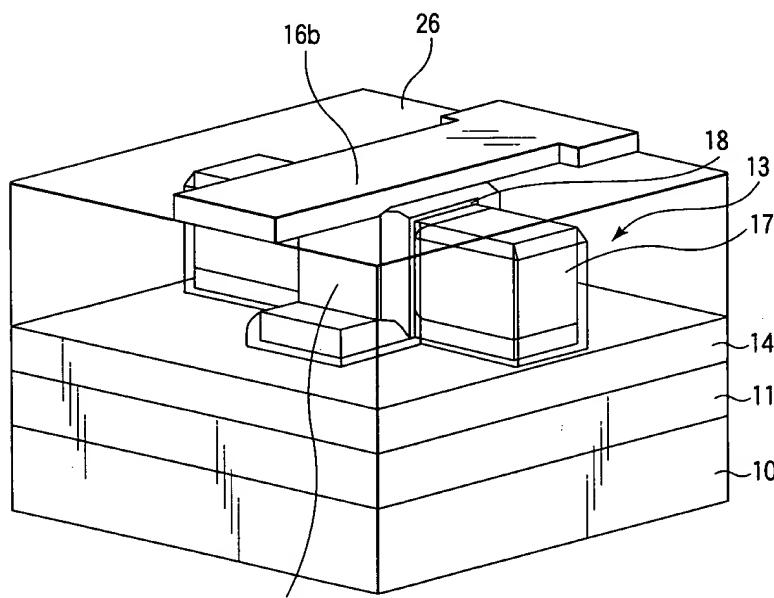


FIG. 22

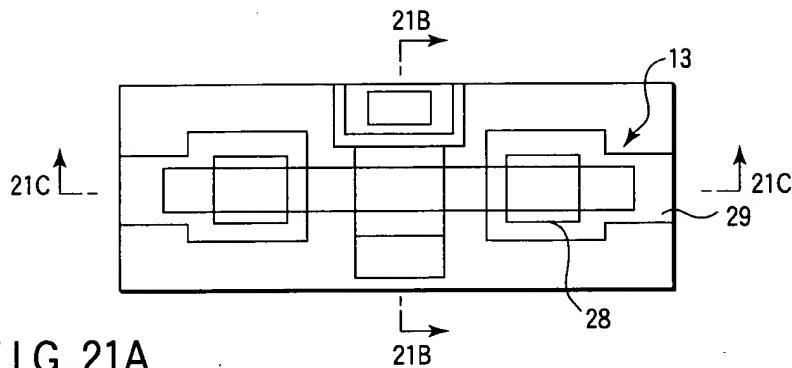


FIG. 21A

2002-09-02 00557650

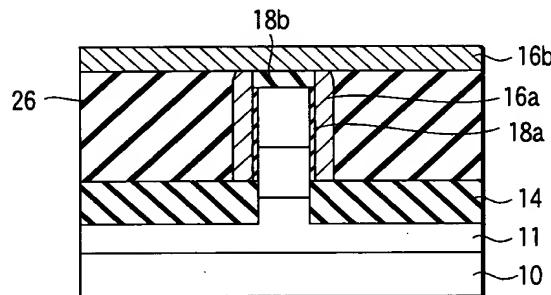


FIG. 21B

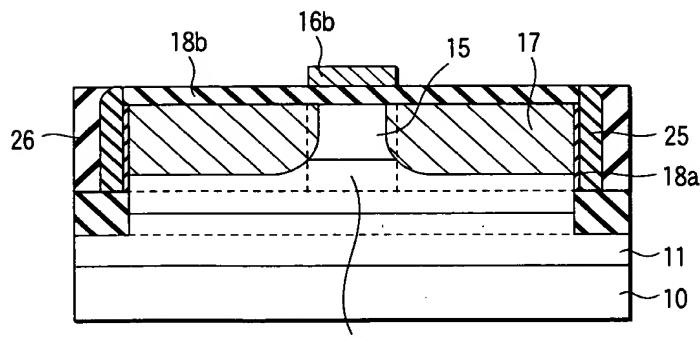


FIG. 21C

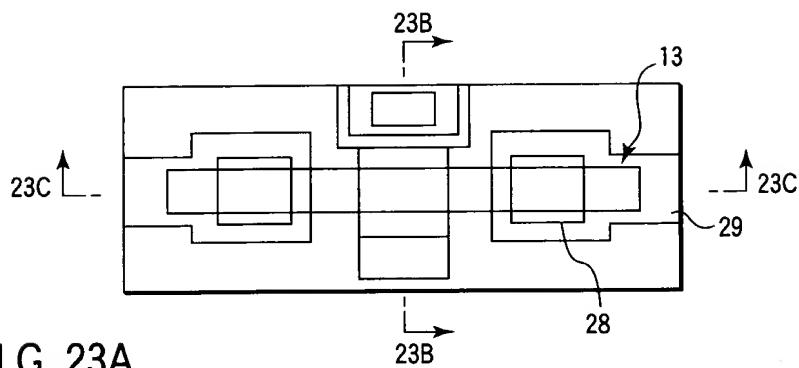


FIG. 23A

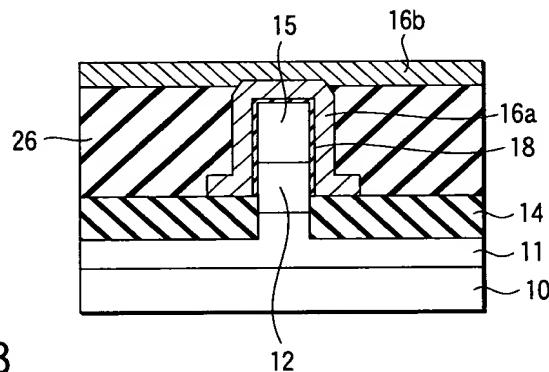


FIG. 23B

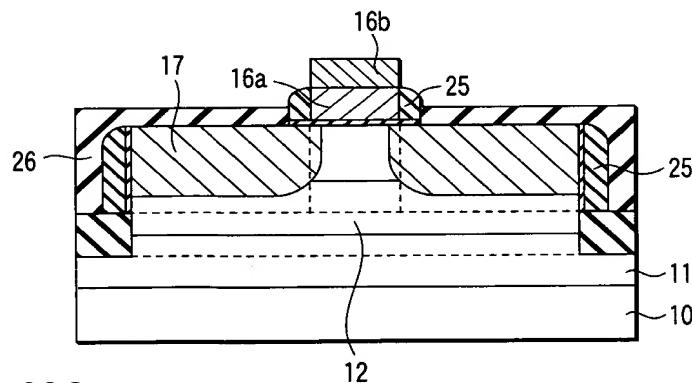


FIG. 23C

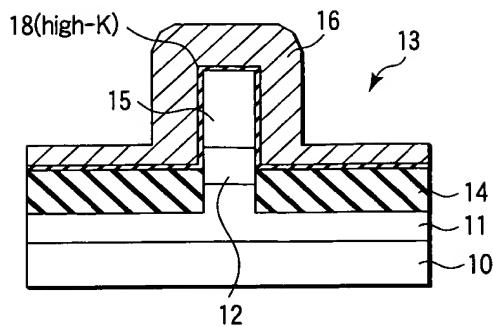


FIG. 24

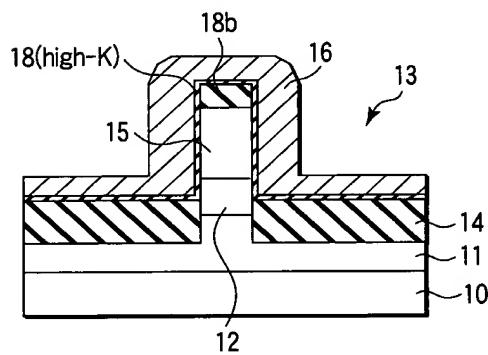


FIG. 25

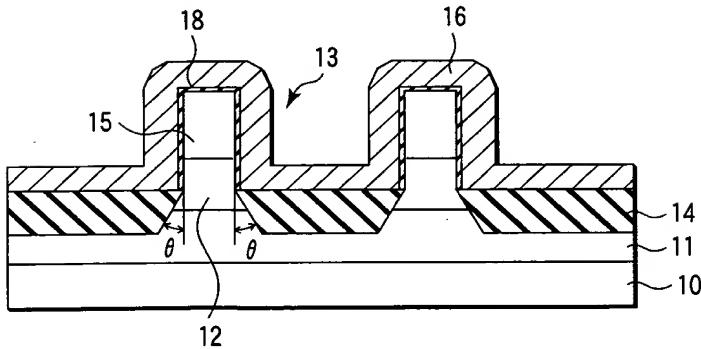


FIG. 26

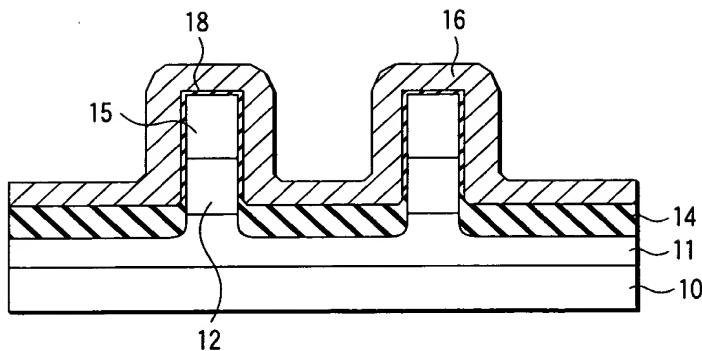


FIG. 27

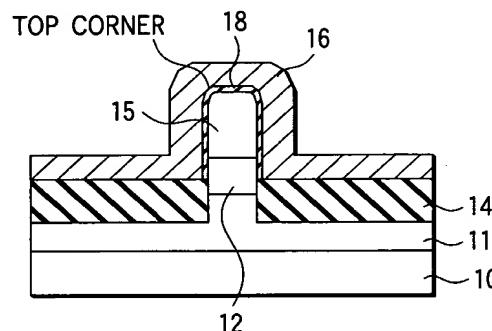


FIG. 28

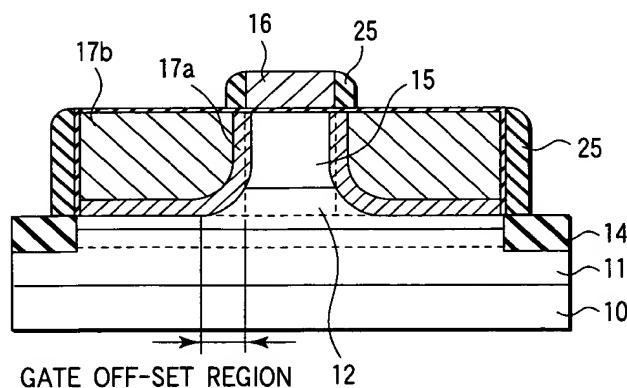


FIG. 29

4700220 200507660

4000220 - 60595460

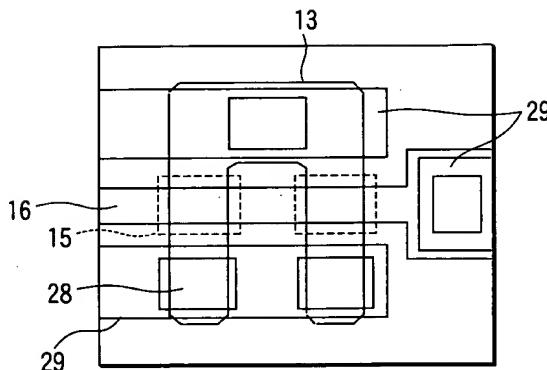


FIG. 30

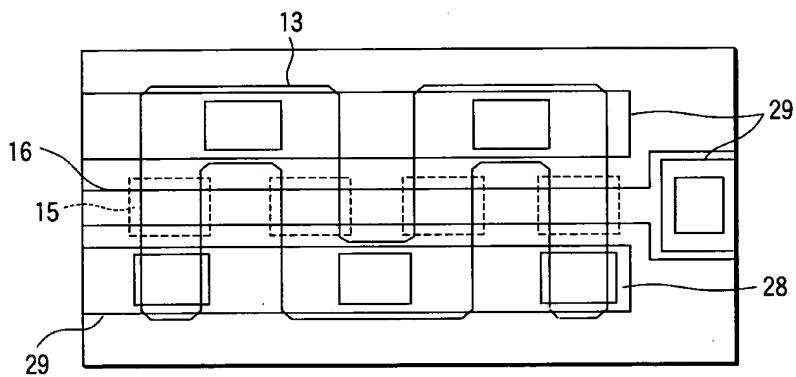


FIG. 31

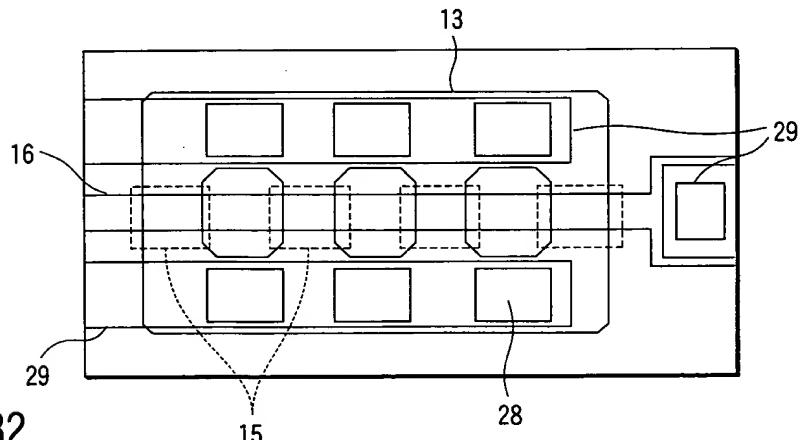


FIG. 32

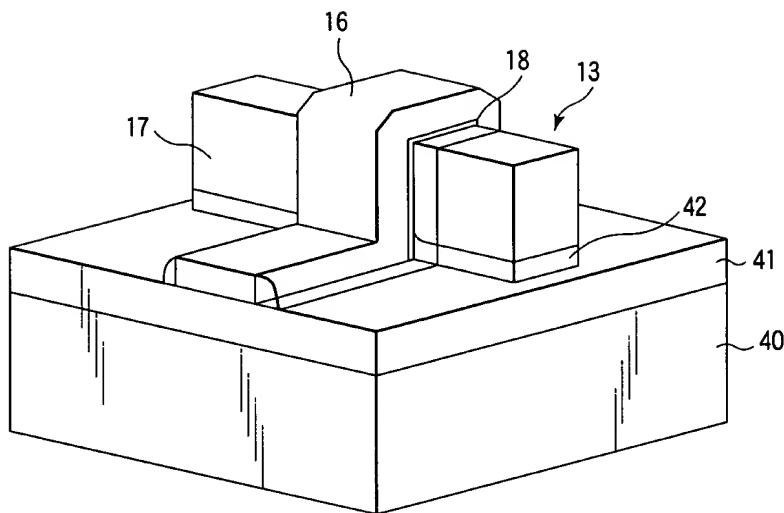


FIG. 33

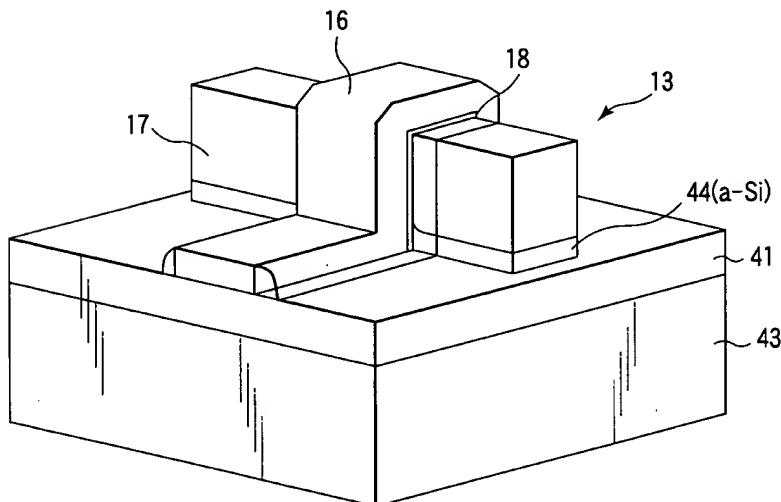


FIG. 35

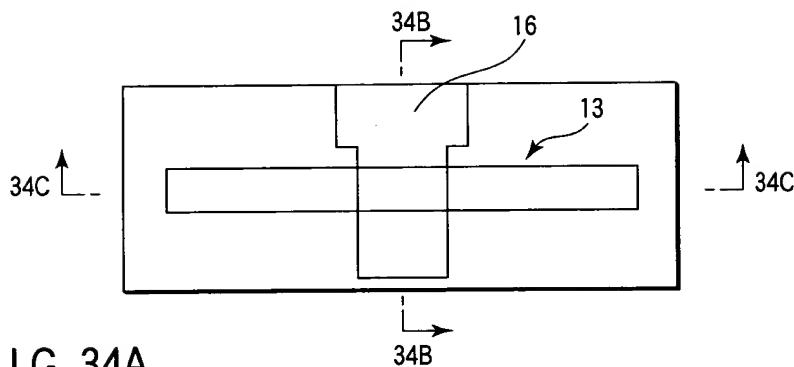


FIG. 34A

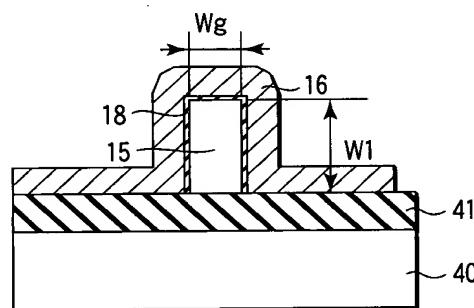


FIG. 34B

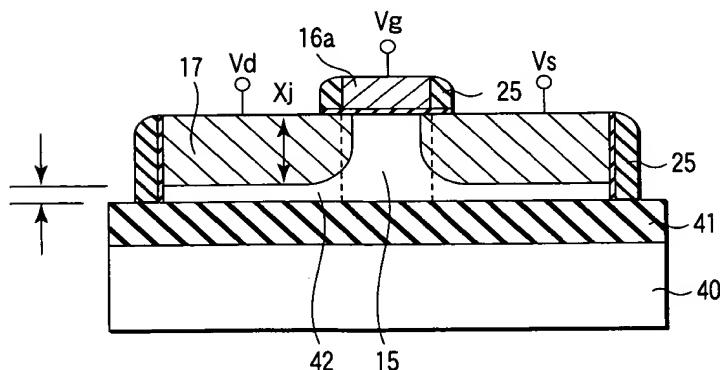


FIG. 34C

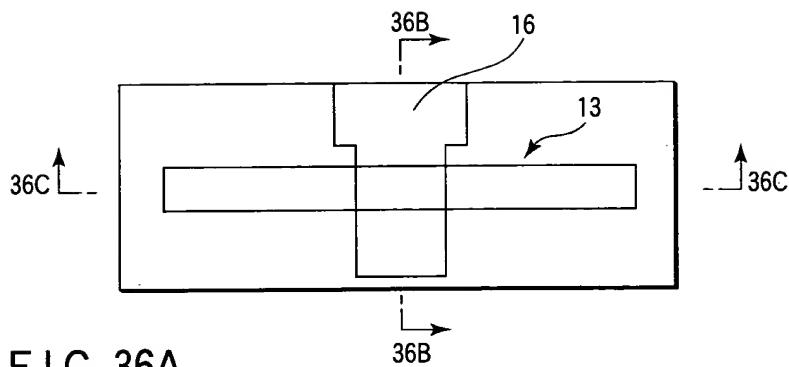


FIG. 36A

2004-02-23 00015560

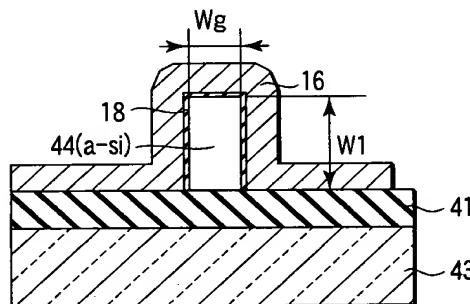


FIG. 36B

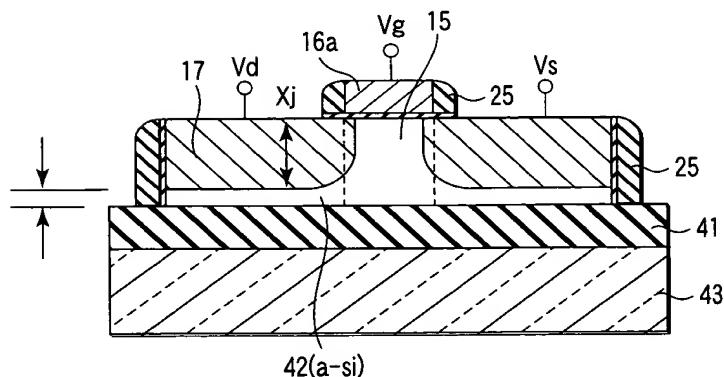


FIG. 36C

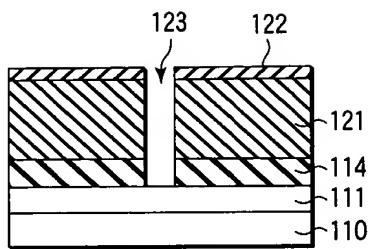


FIG. 37A

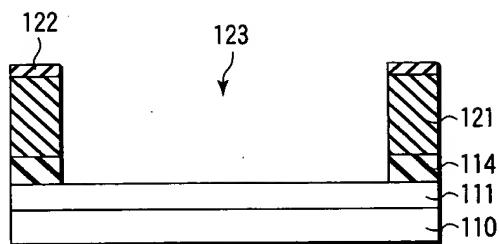


FIG. 37B

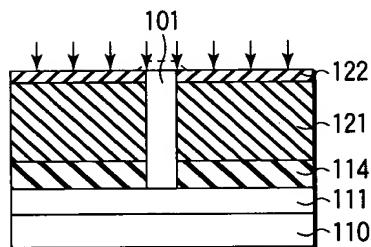


FIG. 38A

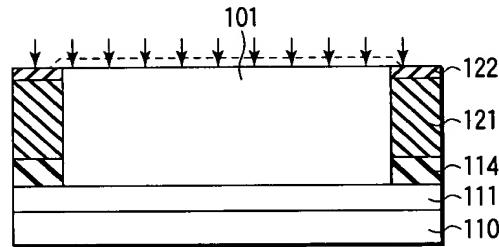


FIG. 38B

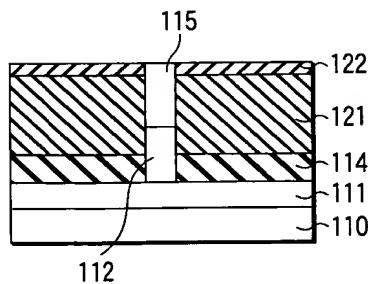


FIG. 39A

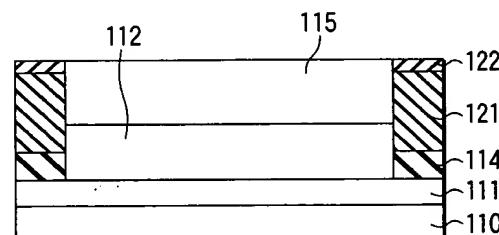


FIG. 39B

40002408-60554660

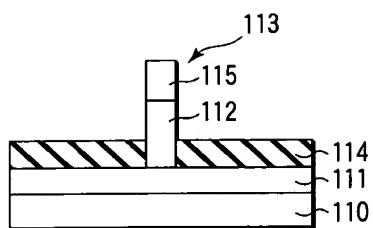


FIG. 40A

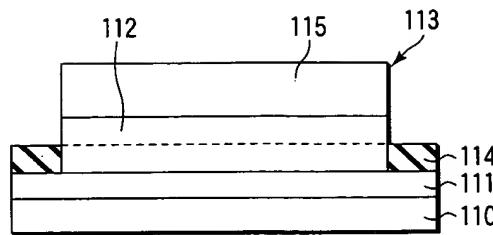


FIG. 40B

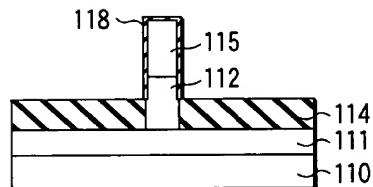


FIG. 41A

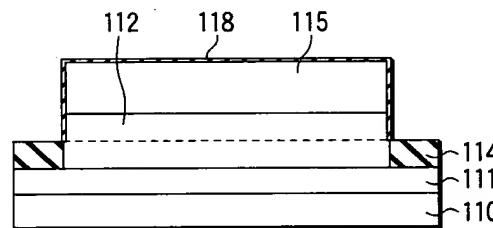


FIG. 41B

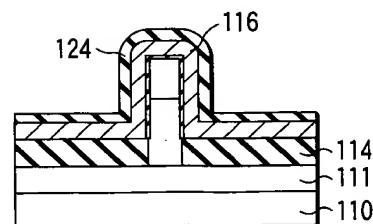


FIG. 42A

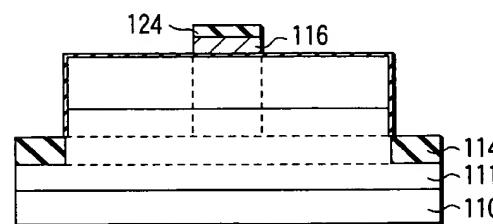


FIG. 42B

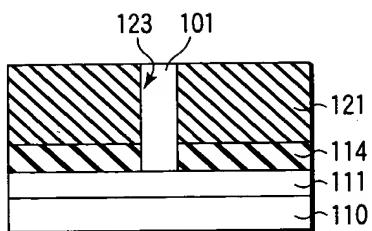


FIG. 43A

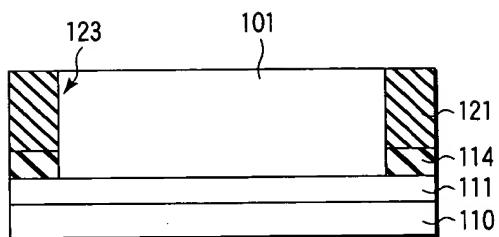


FIG. 43B

2002/09/6 0057660

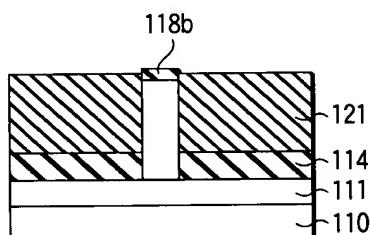


FIG. 44A

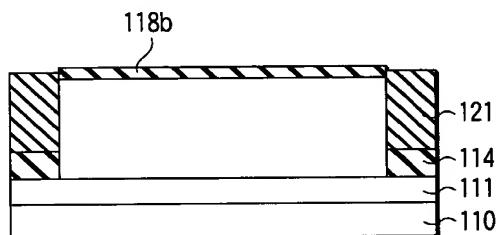


FIG. 44B

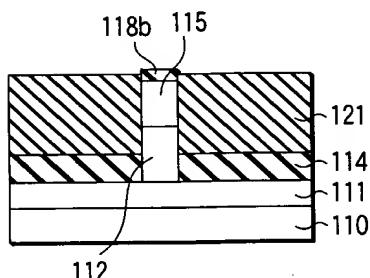


FIG. 45A

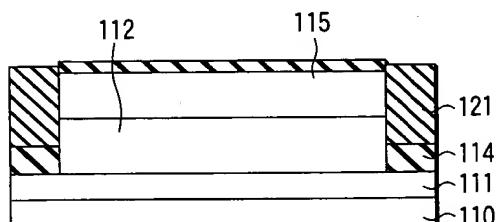


FIG. 45B

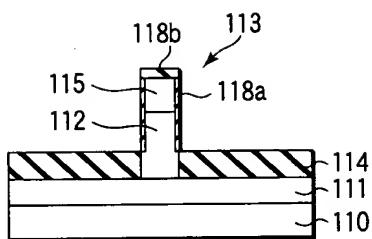


FIG. 46A

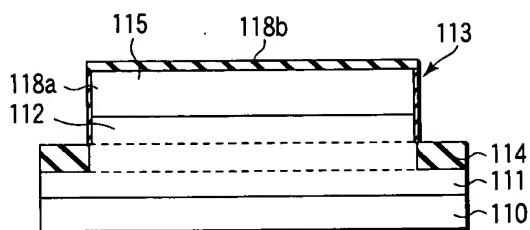


FIG. 46B

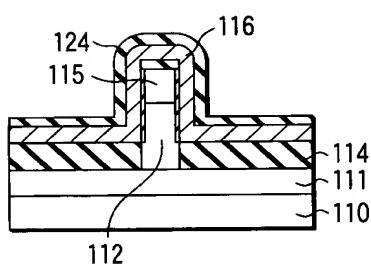


FIG. 47A

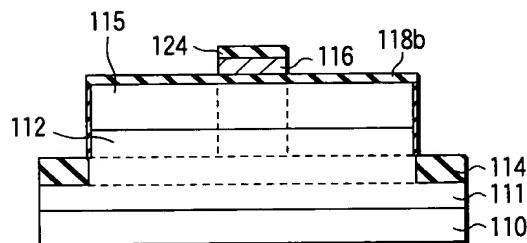


FIG. 47B

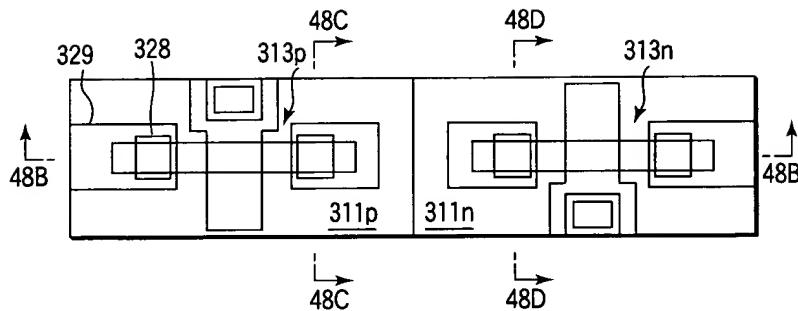


FIG. 48A

1025270-65007660

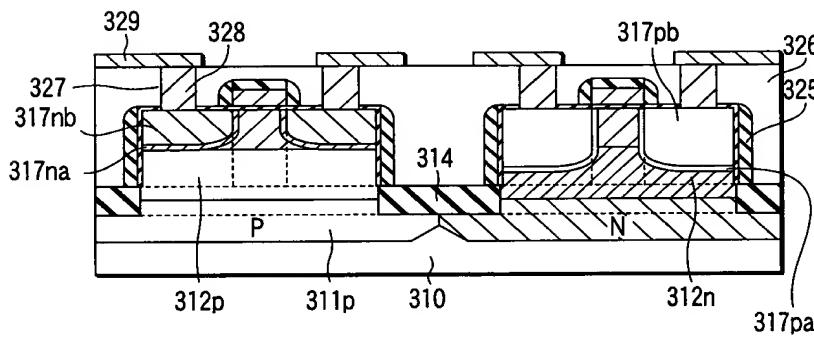


FIG. 48B

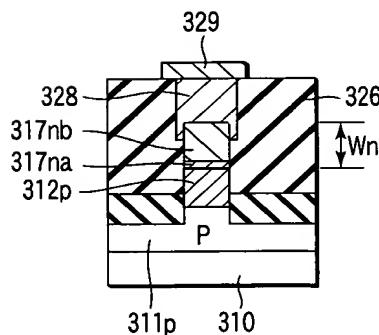


FIG. 48C

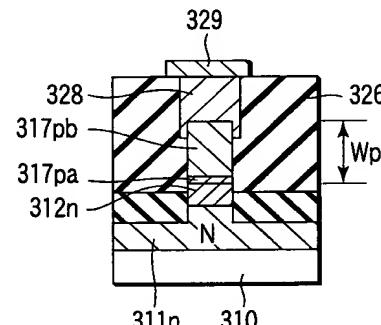


FIG. 48D

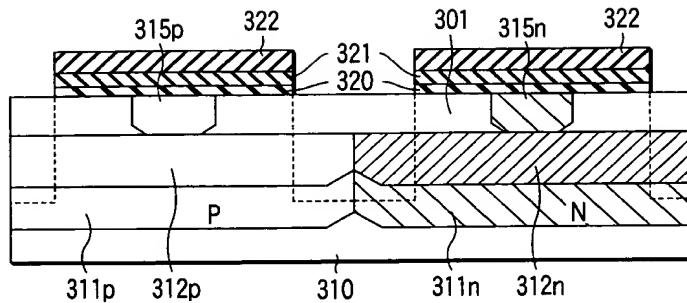


FIG. 49

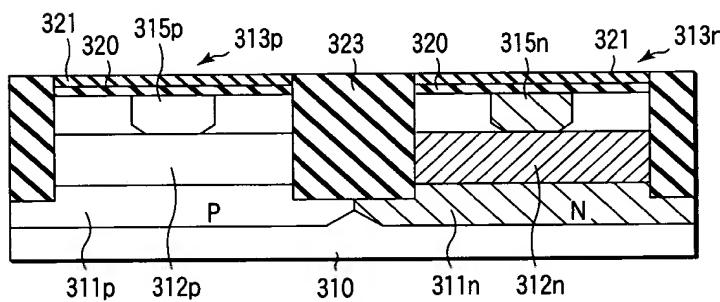


FIG. 50

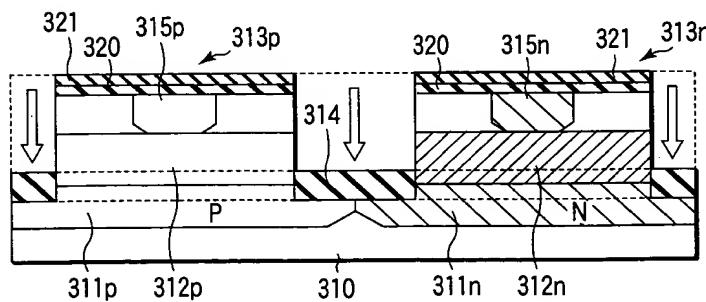


FIG. 51

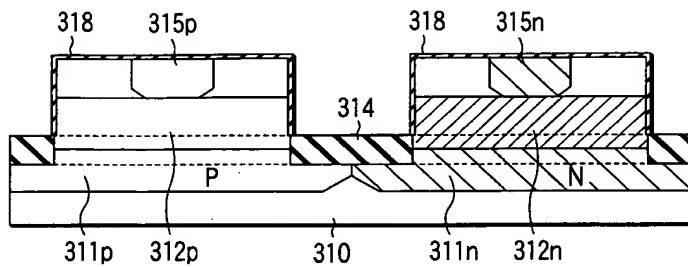


FIG. 52

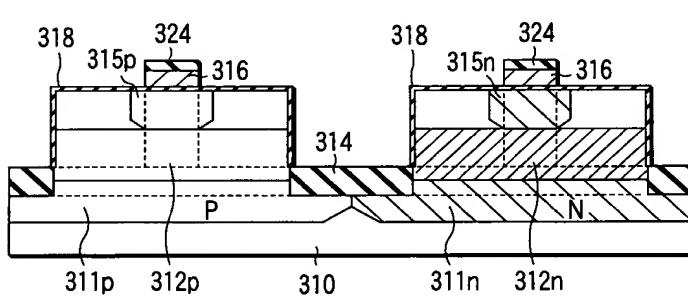


FIG. 53

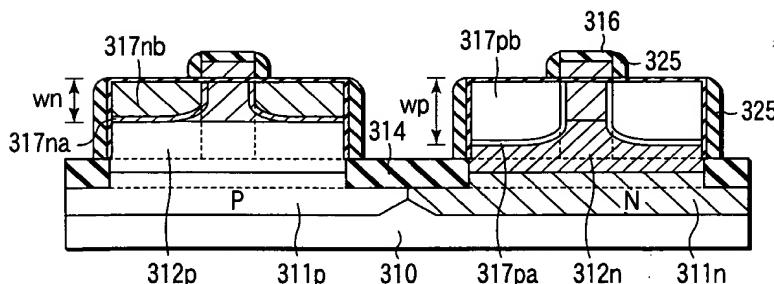


FIG. 54

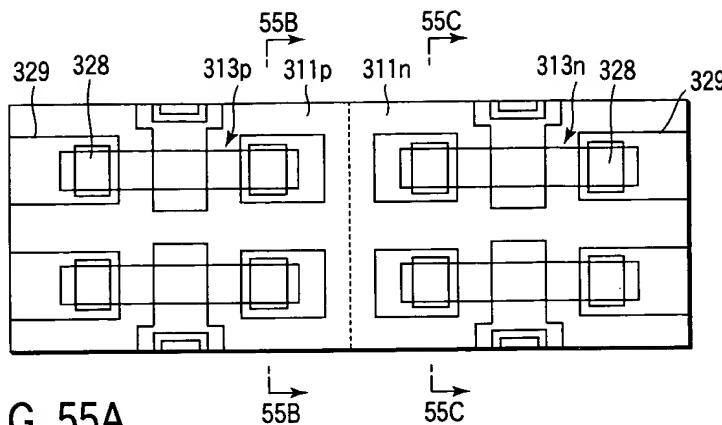


FIG. 55A

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2002-07-09

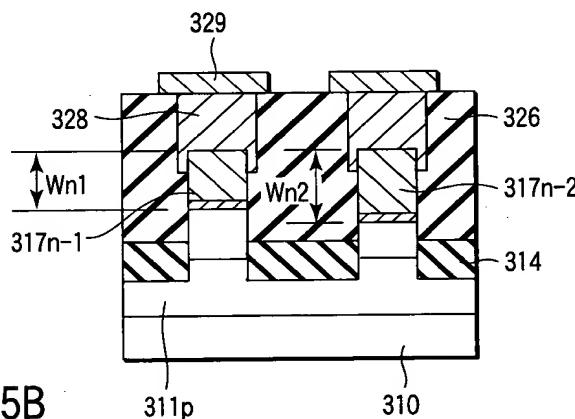


FIG. 55B

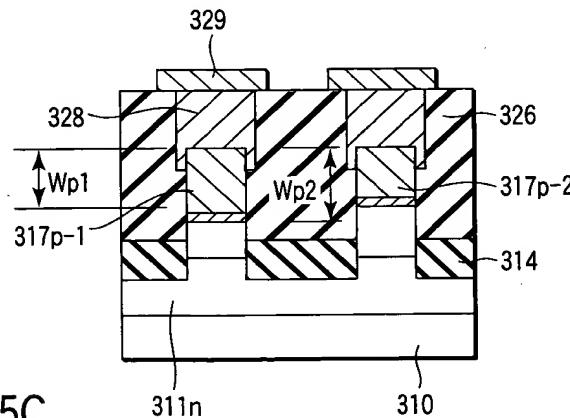


FIG. 55C

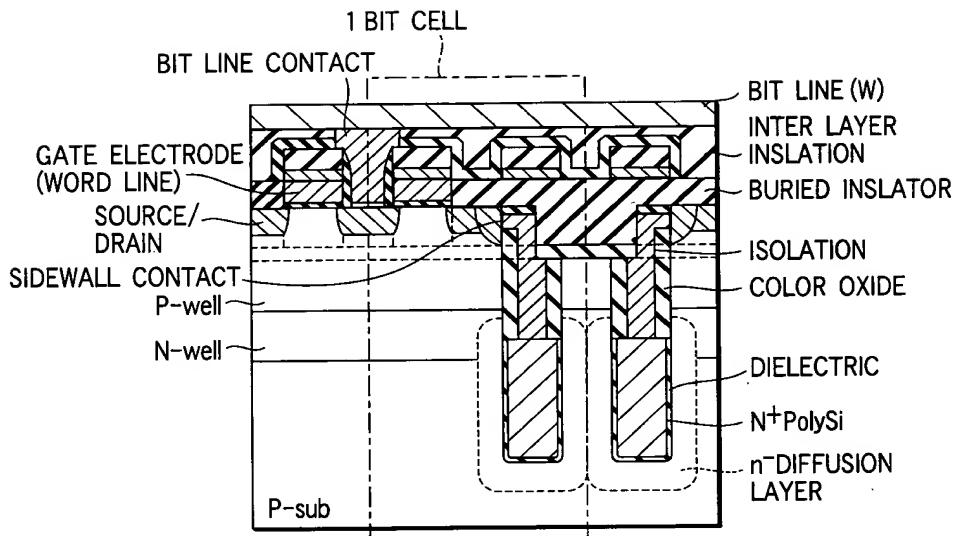


FIG. 56

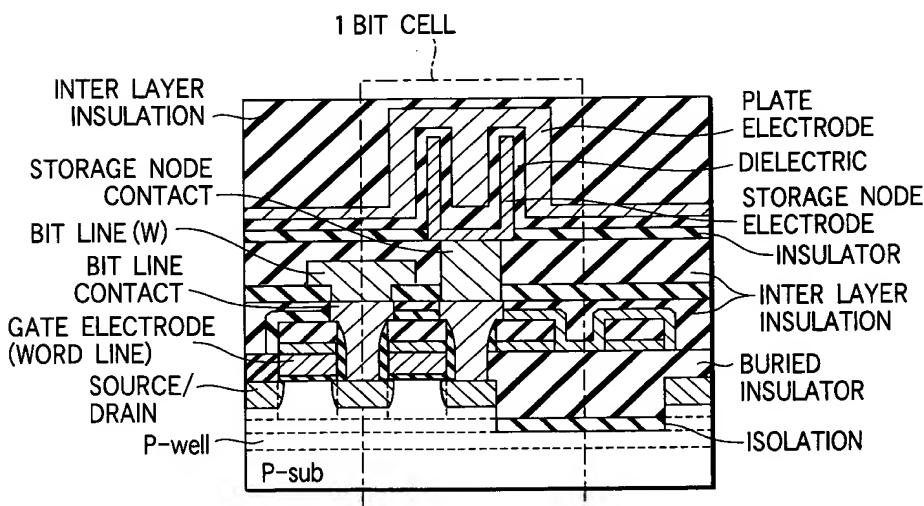


FIG. 57

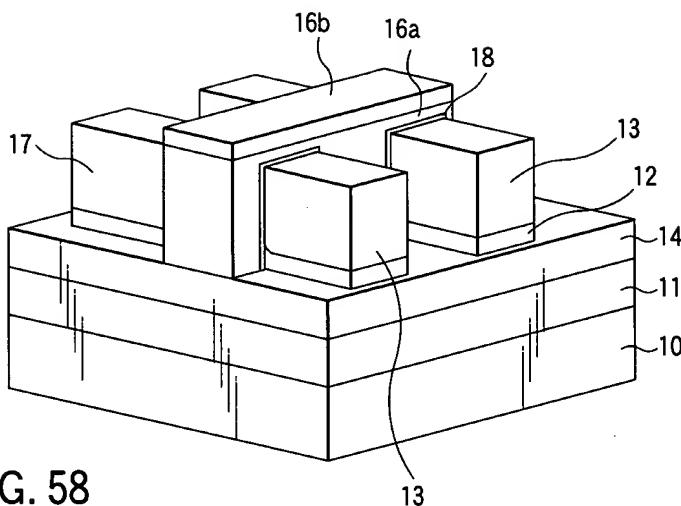


FIG. 58

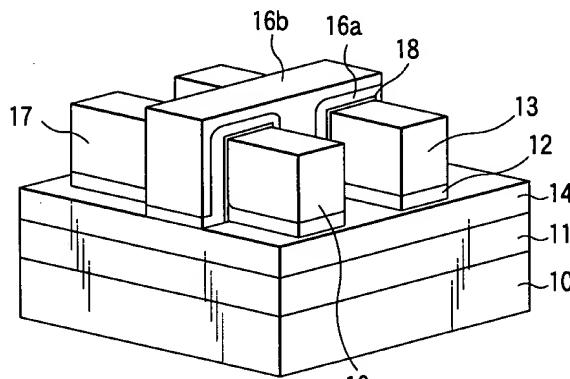


FIG. 60

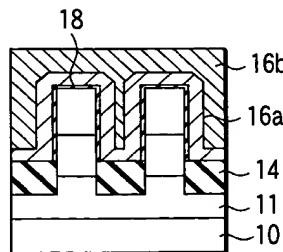
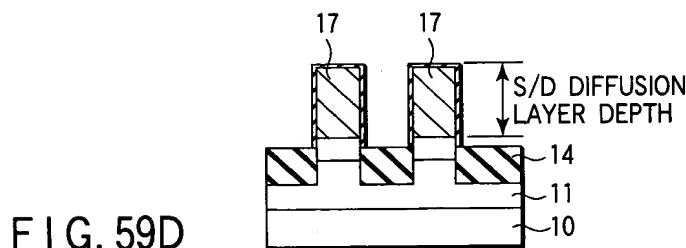
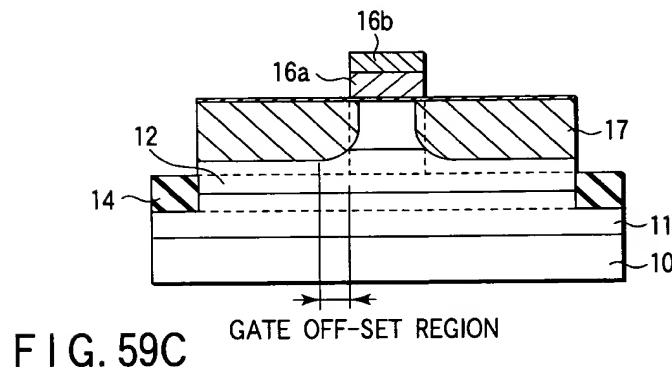
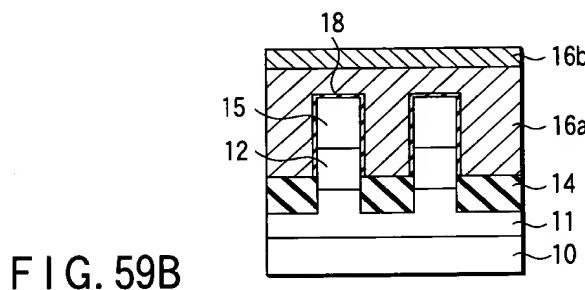
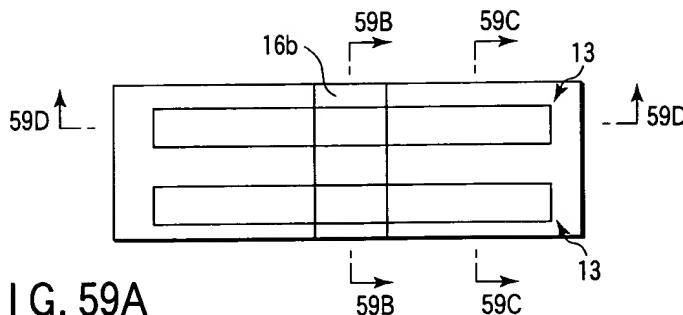


FIG. 61



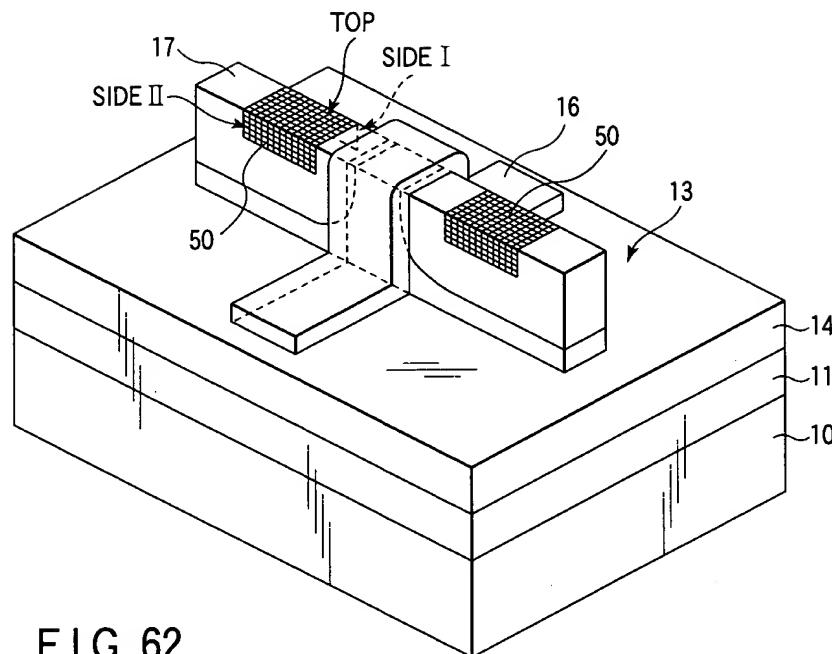


FIG. 62

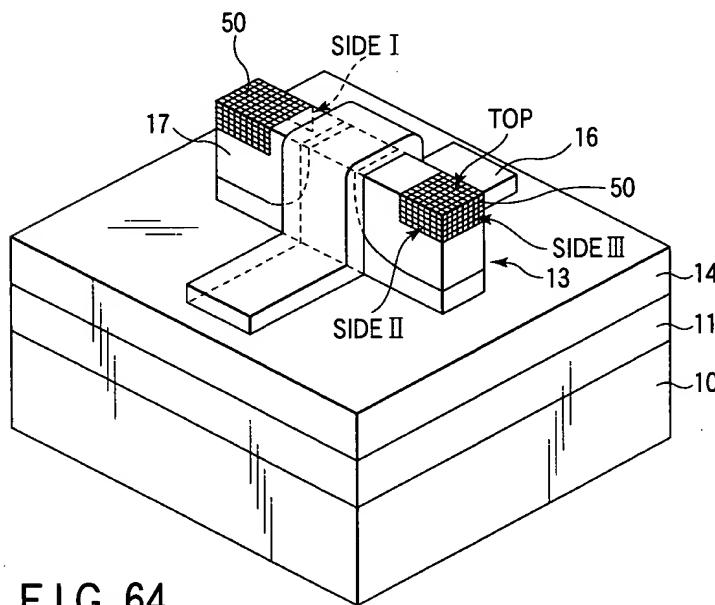


FIG. 64

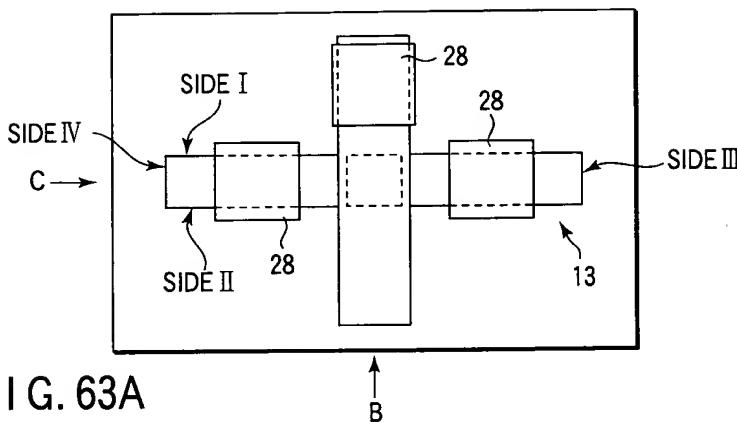


FIG. 63A

4000270-000554660

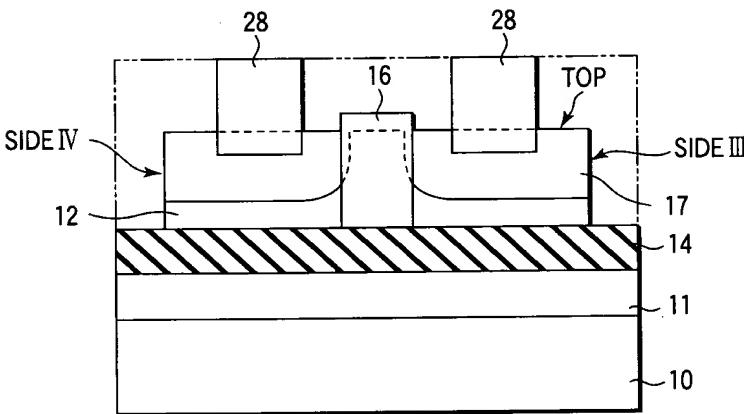


FIG. 63B

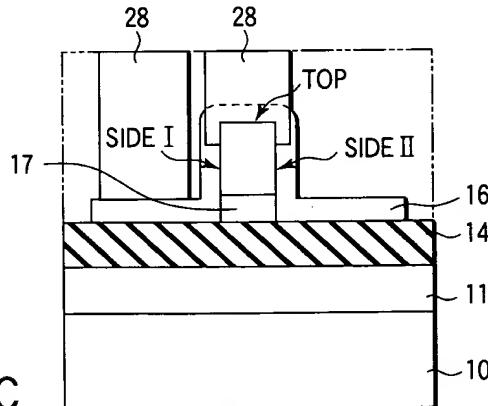


FIG. 63C

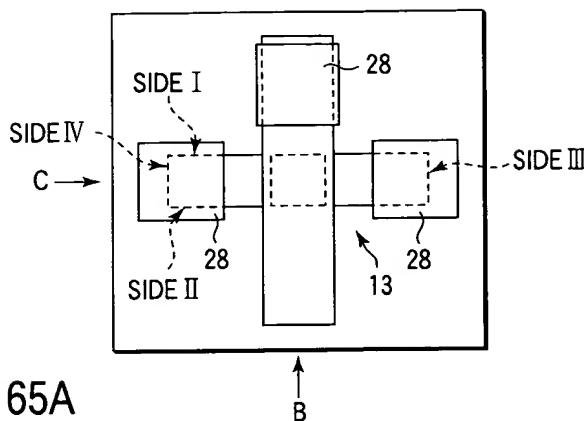


FIG. 65A

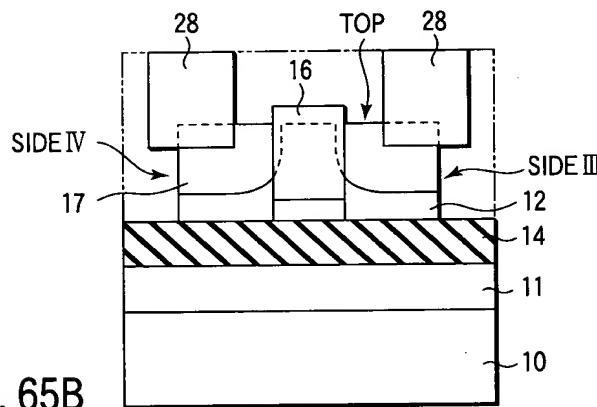


FIG. 65B

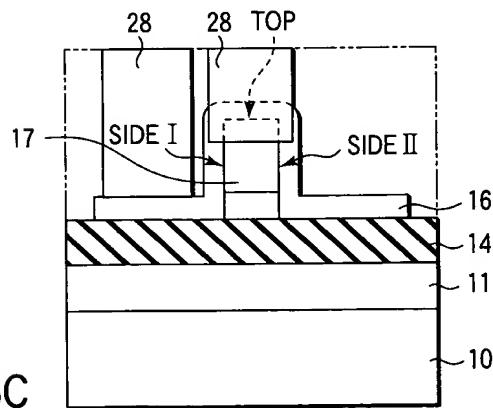
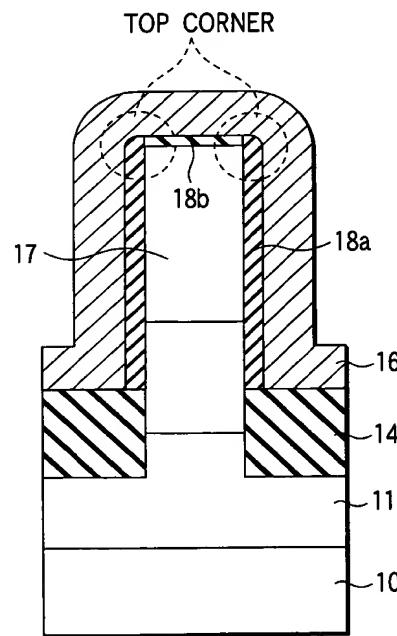
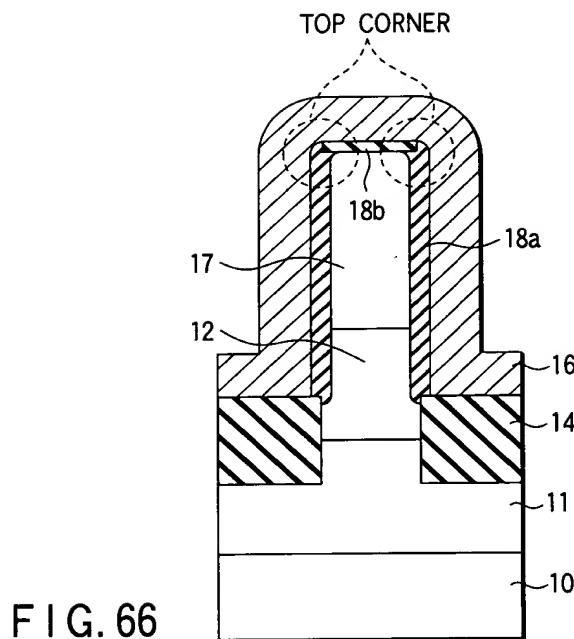


FIG. 65C



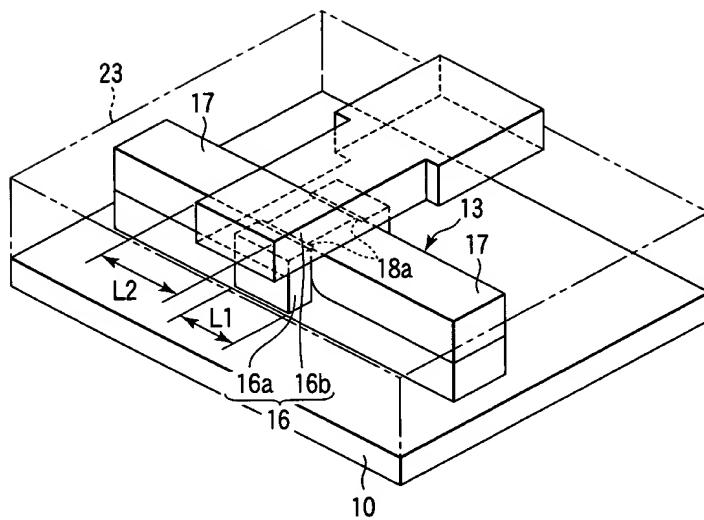


FIG. 68A

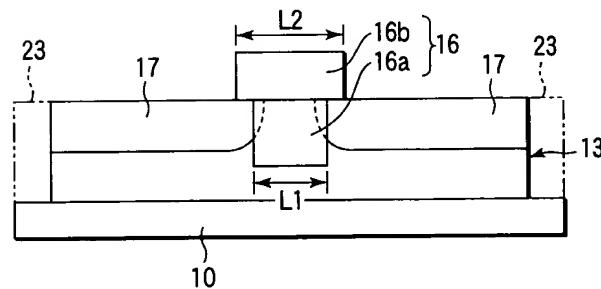
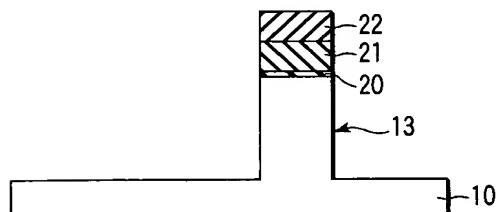
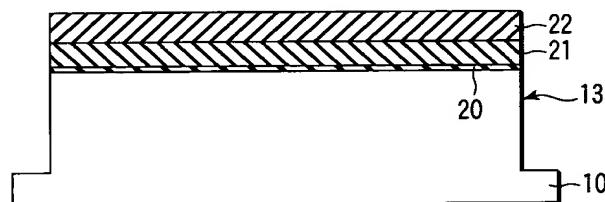
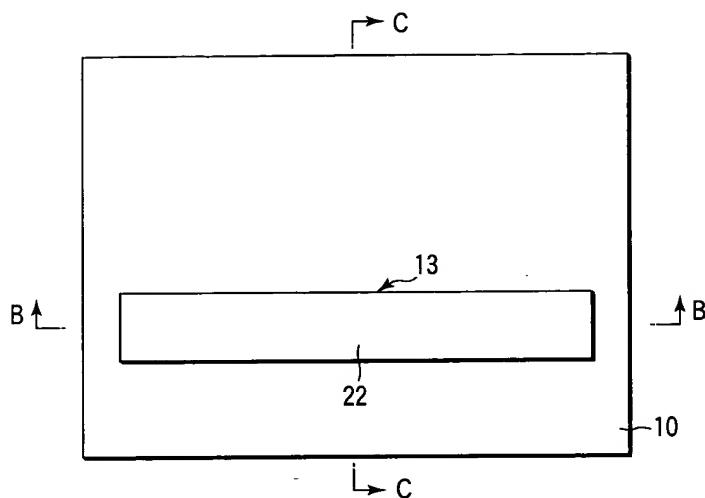
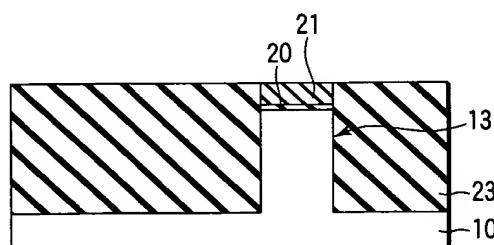
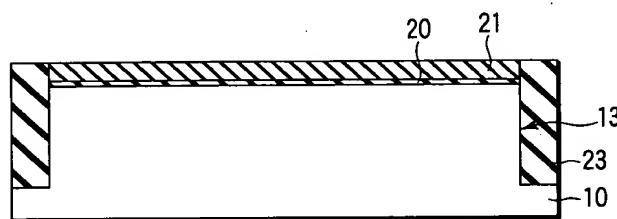
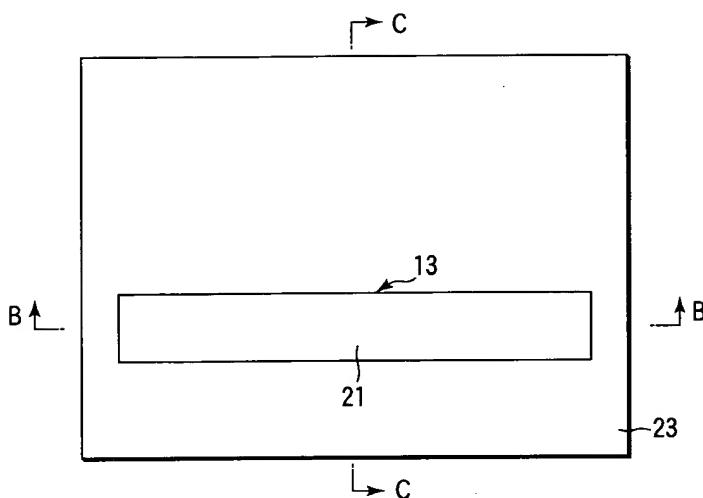


FIG. 68B





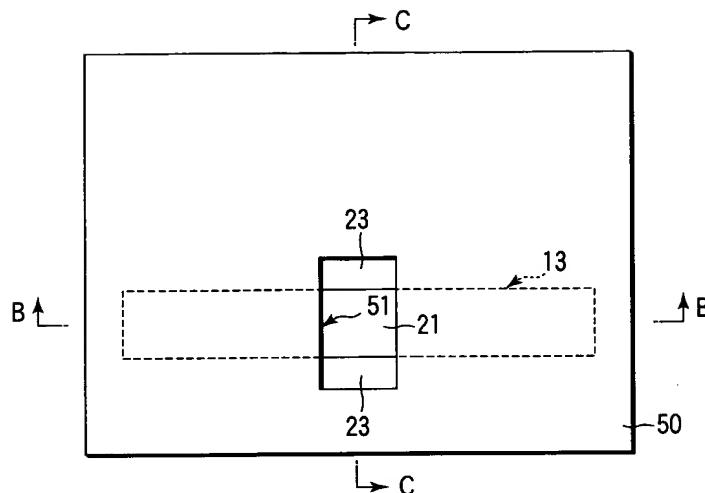


FIG. 71A

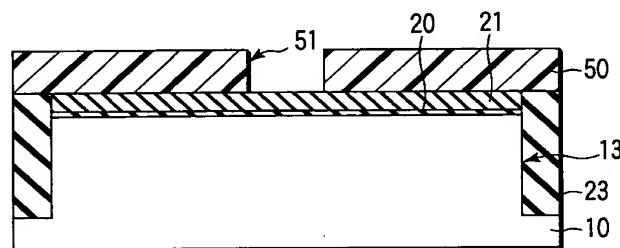


FIG. 71B

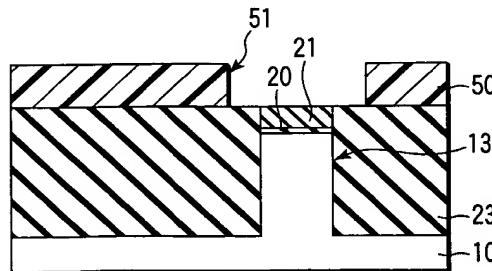


FIG. 71C

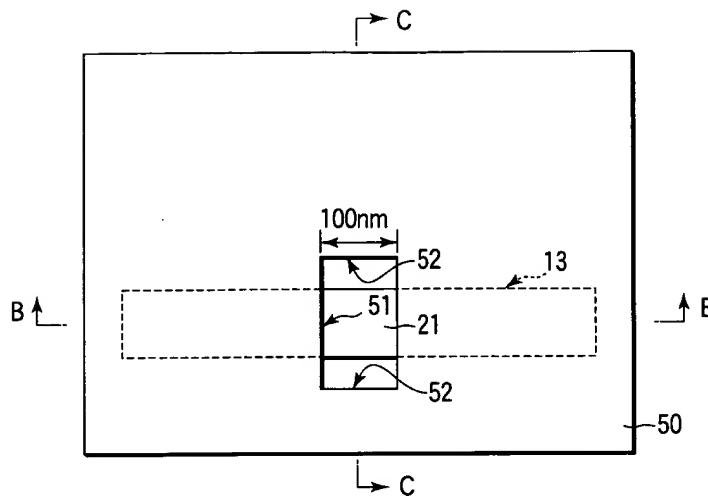


FIG. 72A

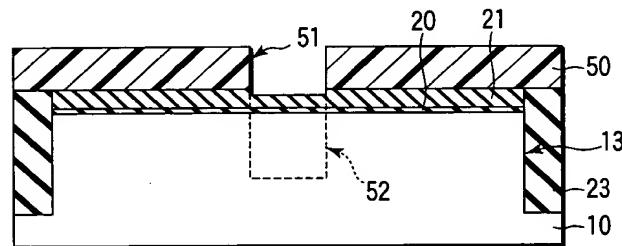


FIG. 72B

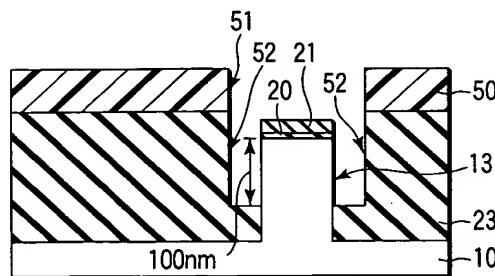
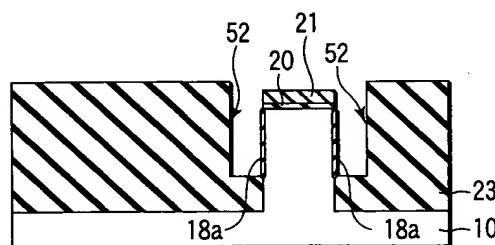
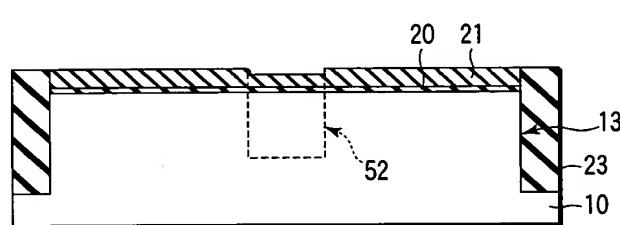
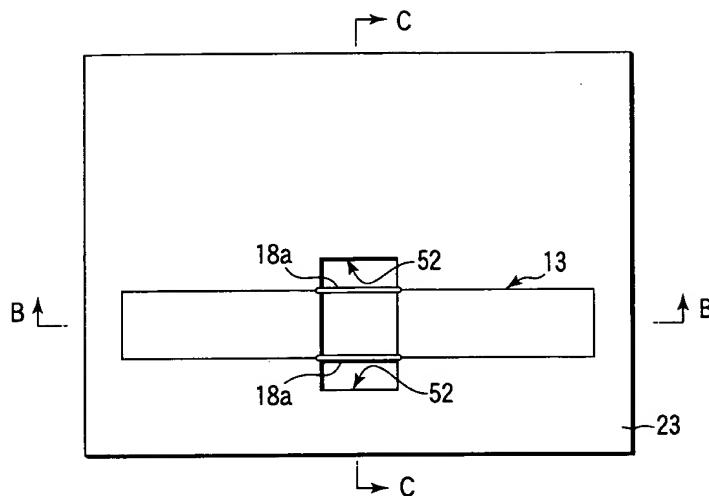


FIG. 72C



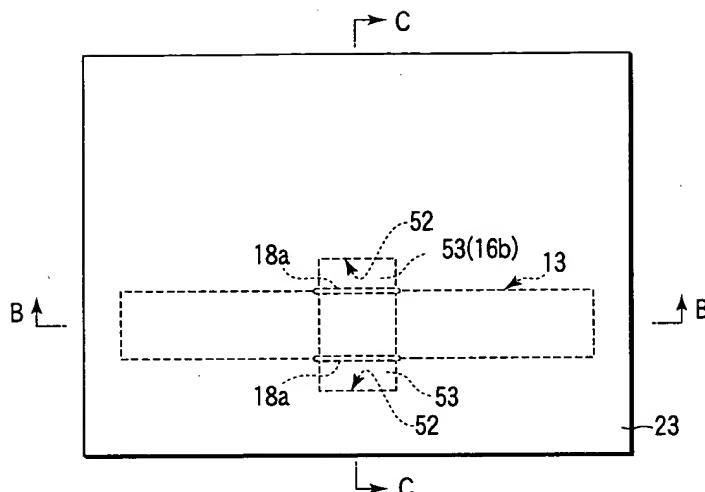


FIG. 74A

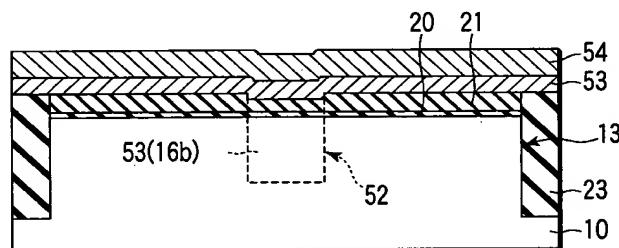


FIG. 74B

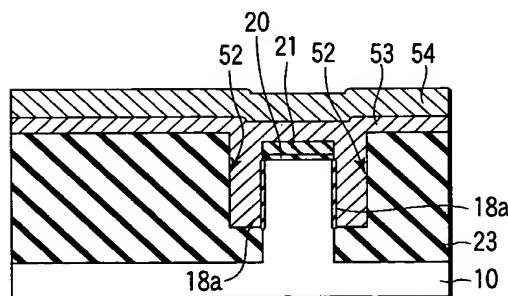


FIG. 74C

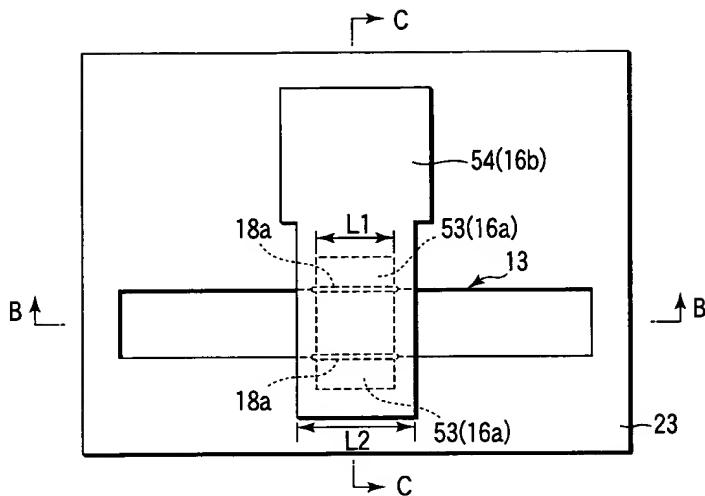


FIG. 75A

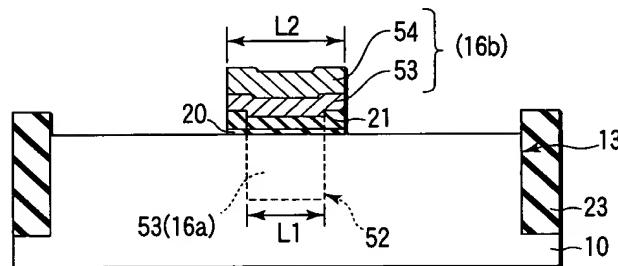


FIG. 75B

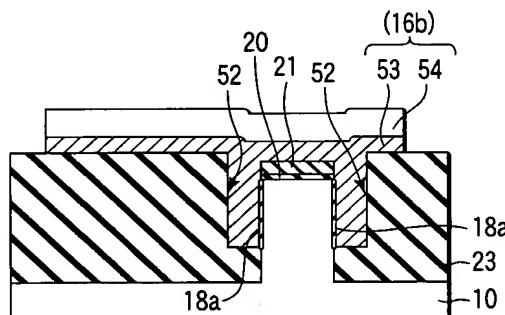
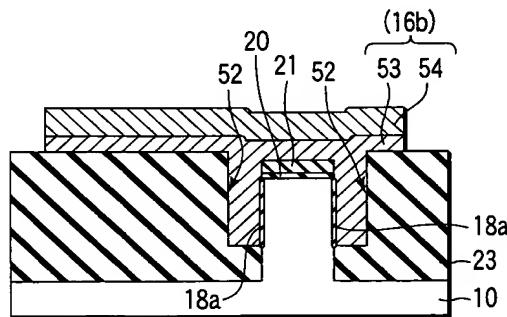
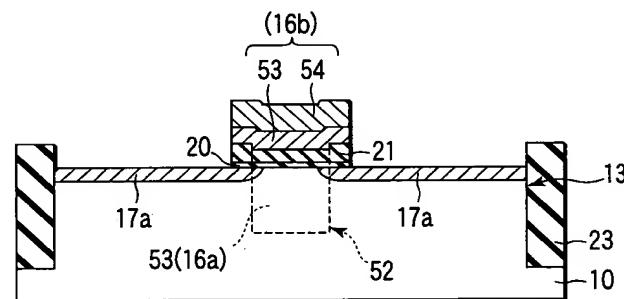
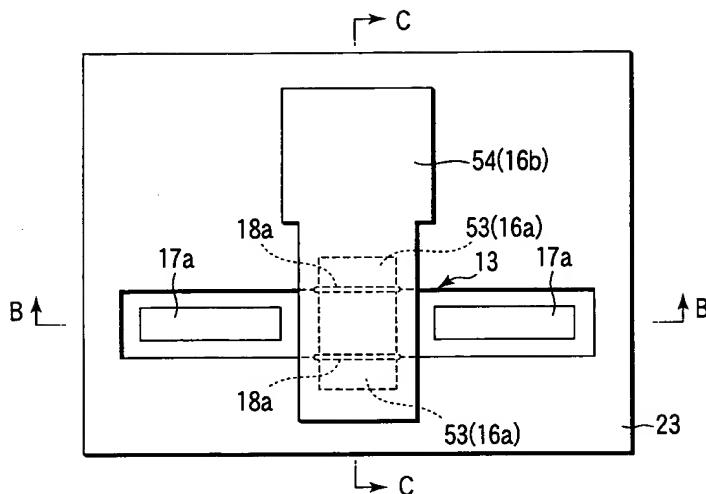


FIG. 75C



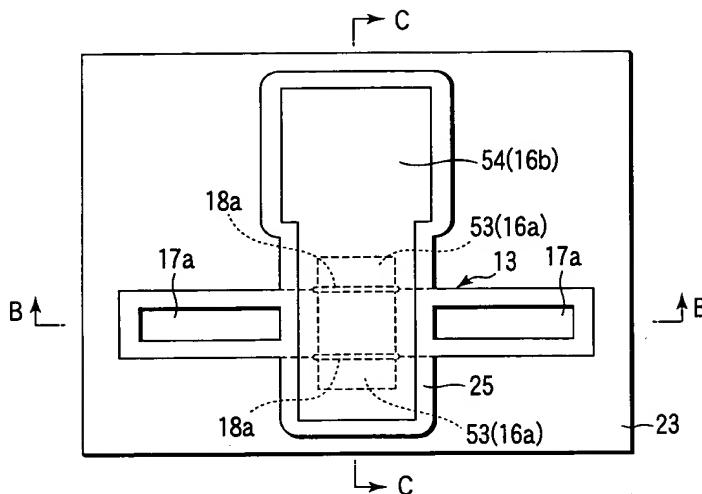


FIG. 77A

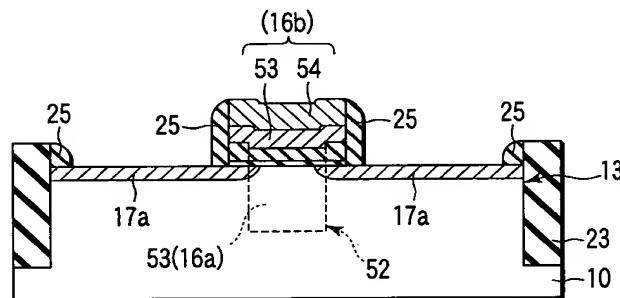


FIG. 77B

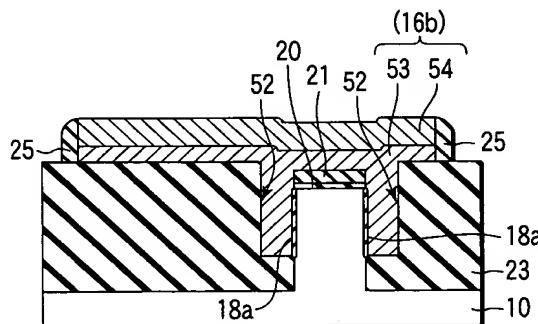


FIG. 77C

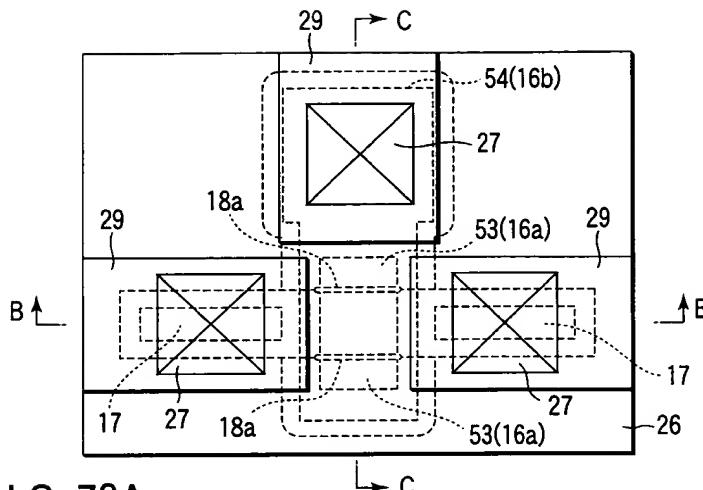


FIG. 78A

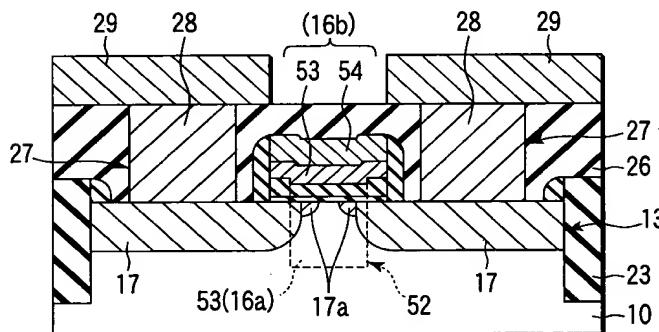


FIG. 78B

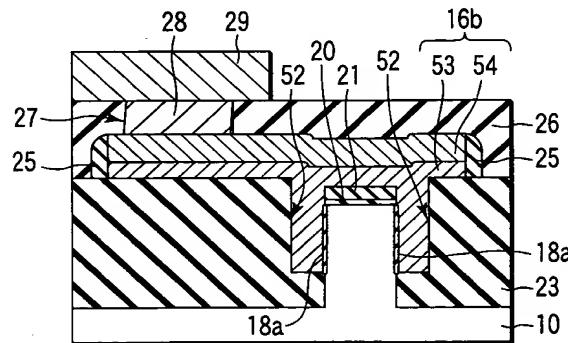


FIG. 78C

Trench Isolated (TIS) Transistor (1987 IEDM)

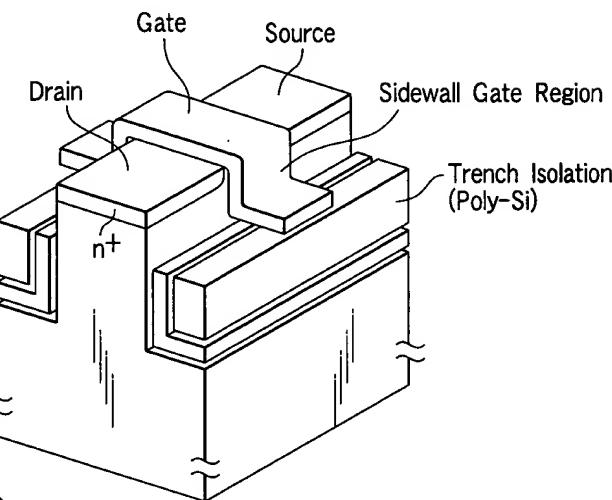


FIG. 79

DELTA STRUCTURE (1989 IEDM)

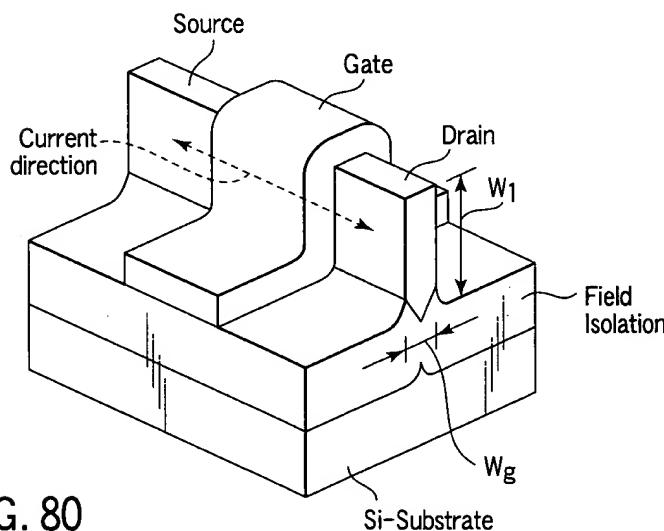


FIG. 80

000470-000500-000500-000500

Folded-channel MOSFFT (1998 IEDM)

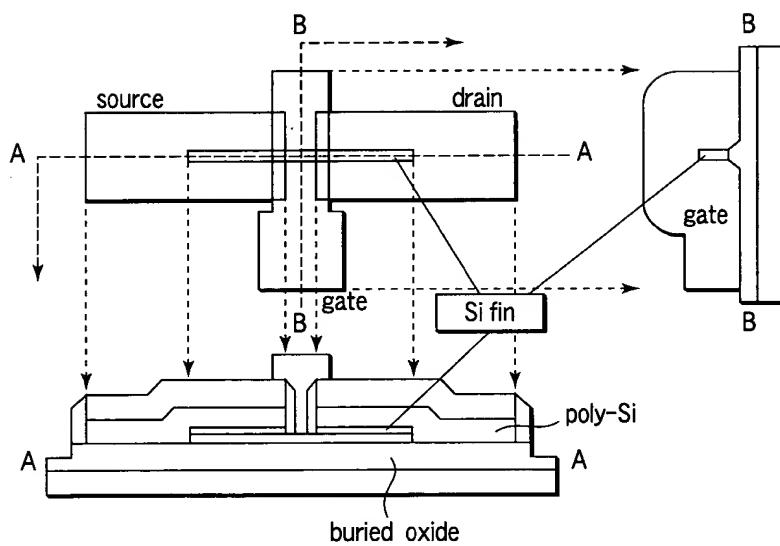


FIG. 81